What is claimed is:

1.   A supporting frame structure for a tension-type shadow mask of a color CRT comprising:

5   a pair of main frames having a supporting part for supporting a shadow mask, respectively; and

a pair of sub frames combined with the main frames for applying elastic force to the shadow mask;

wherein the curvature structure of each one of the supporting parts in the

10   main frames after the elastic force is removed satisfies the equation $\Delta R / R = 0.95 \sim 1.05$, where R is a radius of curvature obtained by connecting a center and both ends of each one of the supporting parts in the main frame, and ΔR is a radius of curvature obtained by connecting three arbitrary positions of each one of the supporting parts in the main frames.

15

2.   The structure according to claim 1, wherein the curvature of each one of the supporting parts in the main frames is in the form of poly-nomial.